



Atty. Dkt. No. 036481-0165

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ralph BRAUN

Title: NUCLEIC ACID
CONSTRUCTS FOR GENE
EXPRESSION

Appl. No.: 10/529,011

International Filing Date: 9/29/2003

371(c) Date: 3/24/2005

Examiner: Shen, Wu Cheng Winston

Art Unit: 1632

Confirmation Number: 8838

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop Amendment
Commissioner for Patents
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Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b).

Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date February 20, 2007

FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 672-5483
Facsimile: (202) 672-5399

By V.S. McFall
for: Richard C. Peet #55,459
Attorney for Applicant
Registration No. 35,792

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted: February 20, 2007

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Sheet 1 of 4

Complete if Known

Application Number	10/529,011
Filing Date	9/29/2003
First Named Inventor	Ralph BRAUN
Art Unit	1632
Examiner Name	Shen, Wu Cheng Winston
Attorney Docket Number	036481-0165

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/W.S./	A1	US-5,057,540	10-15-1991	Kensil et al.	
/W.S./	A2	US-5,171,568	12-15-1992	Burke et al.	
/W.S./	A3	US-5,328,688	07-12-1994	Roizman	
/W.S./	A4	US-5,378,814	01-03-1995	Houghton et al.	
/W.S./	A5	US-5,865,796	02-02-1999	McCabe	
/W.S./	A6	US-5,922,576	07-13-1999	He et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Application Document	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/W.S./	A7	WO 89/04669	06-01-1989	Chiron Corporation		
/W.S./	A8	WO 90/11089	10-04-1990	Chiron Corporation		
/W.S./	A9	WO 90/14436	11-29-1990	Chiron Corporation		
/W.S./	A10	WO 92/16636	10-01-1992	Immunology Limited		
/W.S./	A11	WO 93/18759	09-30-1993	Bayer College of Medicine		
/W.S./	A12	WO 93/19768	10-14-1993	The Regents of the Univ. of California		
/W.S./	A13	WO 94/12202	06-09-1994	University of Dundee		
/W.S./	A14	WO 96/29421	09-26-1996	Cantab Pharmaceuticals Research Limited		
/W.S./	A15	WO 96/40955	12-19-1996	Frank L. GRAHAM		
/W.S./	A16	WO 98/21345	05-22-1998	The General Hospital Corporation		
/W.S./	A17	WO 01/32221 A1	05-10-2001	Powderject Vaccines, Inc.		
/W.S./	A18	WO 01/46449 A1	06-28-2001	Biovex Limited		

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/Wu-Cheng Winston Shen/

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: February 20, 2007

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Sheet 2 of 4

Complete if Known

Application Number	10/529,011
Filing Date	9/29/2003
First Named Inventor	Ralph BRAUN
Art Unit	1632
Examiner Name	Shen, Wu Cheng Winston
Attorney Docket Number	036481-0165

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/W.S./	A19	WO 01/46450 A1	06-28-2001	Biovex Limited		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/W.S./	A20	BAER, R., et al., "DNA Sequence and Expression of the B95-8 Epstein-Barr Virus Genome", <i>Nature</i> , July 19, 1984, Vol. 310, pp. 207-211.	
/W.S./	A21	BIXLER et al., "Synthetic Peptide Representing a T-Cell Epitope of CRM197 Substitutes as Carrier Molecule in a Haemophilus Influenzae Type B (HIB) Conjugate Vaccine", <i>Adv. Exp. Med. Biol.</i> , (1989), Vol. 251, pp. 175-180.	
/W.S./	A22	CHEE, M.S., et al., "Analysis of the Protein-Coding Content of the Sequence of Human Cytomegalovirus Strain AD169", <i>Current Topics in Microbiology and Immunology</i> , (1990), Vol. 154, pp. 125-169.	
/W.S./	A23	COFFIN, R.S., et al., "Herpes Simplex Virus-Based Vectors - Genetic Manipulation of the Nervous System", <i>Academic Press Limited</i> , (1996), ISBN 0-12-437165-5, pp. 99-113.	
/W.S./	A24	DAVIS, et al., "CpG DNA Is a Potential Enhancer of Specific Immunity in Mice Immunized with Recombinant Hepatitis B Surface Antigen" <i>The American Association of Immunologists</i> , 1998, <i>The Journal of Immunology</i> , (1998), Vol. 160, pp. 870-876.	
/W.S./	A25	DAVISON, Andrew J., et al., "The Complete DNA Sequence of Varicella-Zoster Virus", <i>J. gen. Virol.</i> , (1986), Vol. 67, pp. 1759-1816.	
/W.S./	A26	ERTL, C. J., et al., "Novel Vaccine Approaches", <i>The Journal of Immunology</i> , (1996), Vol. 156, pp. 3579-3582.	
/W.S./	A27	FYNAN, E. F., et al., "DNA Vaccines: Protective Immunizations by Parenteral, Mucosal, and Gene-Gun Inoculations", <i>Proc. Natl. Acad. Sci. USA</i> , December 1993, Vol. 90, pp. 11478-11482.	
/W.S./	A28	FYNAN, E. F., et al., "DNA Vaccines: A Novel Approach to Immunization", <i>Int. J. Immunopharmac.</i> , (1995), Vol. 17, No. 2, pp. 79-83.	

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Signature

/Wu-Cheng Winston Shen/

Date
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05/19/2008

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: February 20, 2007 (use as many sheets as necessary)				Application Number	10/529,011
				Filing Date	9/29/2003
				First Named Inventor	Ralph BRAUN
				Art Unit	1632
				Examiner Name	Shen, Wu Cheng Winston
Sheet	3	of	4	Attorney Docket Number	036481-0165

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
/W.S./	A29	HASSETT, D. E., et al., "DNA Immunization", <i>Trends in Microbiol.</i> , August 1996, Vol. 8, pp. 307-312.		
/W.S./	A30	HOUGHTON, Michael, et al., "Molecular Biology of the Hepatitis C Viruses: Implications for Diagnosis, Development and Control of Viral Disease", <i>Hepatology</i> , (1991), Vol. 14, No. 2, pp. 381-388.		
/W.S./	A31	IMOTO, M., et al., "Total Synthesis of <i>Escherichia Coli</i> Lipid A", <i>Tetrahedron Letters</i> , (1985), Vol. 26, No. 12, pp. 1545-1548.		
/W.S./	A32	KILPATRICK, K. E., et al., "Rapid Development of Affinity Matured Monoclonal Antibodies Using RIMMS", <i>Hybridoma</i> , (1997), Vol. 16, No. 4, pp. 381-389.		
/W.S./	A33	KILPATRICK, K. E., et al., "Gene Gun Delivered DNA-Based Immunizations Mediate Rapid Production of Murine Monoclonal Antibodies to the Flt-3 Receptor", of Murine Monoclonal Antibodies to the Flt-3 Receptor", <i>Hybridoma</i> , (1998), Vol. 17, No. 6, pp. 569-576.		
/W.S./	A34	KRIEG, A. M., et al., "CpG Motifs in Bacterial DNA Trigger Direct B-Cell Activation", <i>Nature</i> , April 6, 1005, Vol. 374, pp. 546-549.		
/W.S./	A35	LACHMANN, R. H., et al., "The Use of Herpes Simplex Virus-Based Vectors for Gene Delivery to the Nervous System", <i>Molecular Medicine Today</i> , September, (1997), Vol. 3, No. 9, pp. 404-411.		
/W.S./	A36	LATCHMAN, D. S., et al., "Gene Delivery and Gene Therapy with Herpes Simplex Virus-Based Vectors", <i>Gene</i> , (2001), Vol. 264, pp. 1-9.		
/W.S./	A37	MANICKAN, Elanchezhian, et al., "DNA Vaccines – A Modern Gimmick or a Boon to Vaccinology?", <i>Critical Reviews in Immunology</i> , (1997), Vol. 17, pp. 139-154.		
/W.S./	A38	MCGEOCH, D.J., et al., "The Complete DNA Sequence of the Long Unique Region in the Genome of Herpes Simplex Virus Type 1", <i>J. gen. Virol.</i> , (1988), Vol. 69, pp. 1531-1574.		
/W.S./	A39	MEDZHITOV, R., et al., "Innate Immunity: Impact on the Adaptive Immune Response", <i>Current Opinion in Immunology</i> , (1997), Vol. 9, pp. 4-9.		
/W.S./	A40	MODROW, S., "Computer-Assisted Analysis of Envelope Protein Sequences of Seven Human Immunodeficiency Virus Isolates: Prediction of Antigenic Epitopes in Conserved and Variable Regions", <i>Journal of Virology</i> , Feb. 1987, Vol. 61, No. 2, pp. 570-578.		

Examiner Signature	/Wu-Cheng Winston Shen/	Date Considered	05/19/2008
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/W.S./	A41	PAYNE, L. G., et al., "Poly[di(carboxylatophenoxy)phosphazene] (PCPP) is a Potent Immunoadjuvant for an Influenza Vaccine", <i>Vaccine</i> , (1998), Vol. 16, No. 1, pp. 92-98.	
/W.S./	A42	PERTMER, T. M., et al., "Gene Gun-Based Nucleic Acid Immunization: Elicitation of Humoral and Cytotoxic T Lymphocyte Responses Following Epidermal Delivery of Nanogram Quantities of DNA", <i>Vaccine</i> , (1995) Vol. 13, No. 15, pp. 1427-1430.	
/W.S./	A43	RAZ, E., et al., "Intradermal Gene Immunization: The Possible Role of DNA Uptake in the Induction of Cellular Immunity to Viruses", <i>Proc. Natl. Acad. Sci. USA</i> , September 1994, Vol. 91, pp. 9519-9523.	
/W.S./	A44	THOMAS, S. K., "Herpes Simplex Virus Latency-Associated Transcript Encodes a Protein Which Greatly Enhances Virus Growth, Can Compensate for Deficiencies in Immediate-Early Gene Expression, and is Likely to Function During Reactivation from Virus Latency", <i>Journal of Virology</i> , August 1999, Vol. 73, No. 8, pp. 6618-6625.	
/W.S./	A45	WOLFF, J. A., "Direct Gene Transfer into Mouse Muscle in Vivo", <i>Science</i> , March 23, 1990, Vol. 247, pp. 1465-1468.	
/W.S./	A46	YANG, N-S, et al., "In vivo and in vitro Gene Transfer to Mammalian Somatic Cells by Particle Bombardment", <i>Proc. Natl. Acad. Sci. USA</i> , December 1990, Vol. 87, pp. 9568-9572.	

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